

## Correlation between COs,POs and PSOs

### Program Outcomes

<b>PO</b>	<b>Engineering Graduates will be able to:</b>
<b>PO1</b>	Engineering knowledge: Apply knowledge of mathematics, science, electrical engineering fundamentals, and electronics engineering to the solution of engineering problems.
<b>PO2</b>	Problem analysis: Identify, formulate, review literature and analyze electrical engineering problems to design, conduct experiments, analyze data and interpret data.
<b>PO3</b>	Design /development of solutions: Design solution for electrical engineering problems and design system component of processes that meet the desired needs with appropriate consideration for the public health and safety, and the cultural, societal and the environmental considerations.
<b>PO4</b>	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in electrical engineering.
<b>PO5</b>	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to electrical engineering activities with an understanding of the limitations.
<b>PO6</b>	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to electrical engineering practice.
<b>PO7</b>	Environment and sustainability: Understand the impact of the electrical engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.
<b>PO8</b>	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the electrical engineering practice.
<b>PO9</b>	Individual and team work: Function affectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in electrical engineering.
<b>PO10</b>	Communication: Communicate effectively on complex engineering activities with the engineering committee and with society at large, such as, being able to comprehend and write affective reports and design documentation, make effective presentations in electrical engineering.
<b>PO11</b>	Project Management and finance: Demonstrate knowledge & understanding of the electronics engineering principles and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments in electrical engineering.
<b>PO12</b>	Life- long learning: Recognize the need for, and the preparation and ability to engage in independent research and lifelong learning in the broadest contest of technological changes in electrical engineering.

### Program Specific Outcomes

PSO	Engineering Graduates will be able:
PSO1	To impart State-of-Art knowledge in analysis design and complex problem solving with effective implementation in the multidisciplinary areas of Electrical Engg. with due regard to environmental and social concern.
PSO2	To prepare graduates for continuous self learning to apply technical knowledge and pursue research in advanced areas in the field of Electrical Engg. for successful professional career to serve the society ethically.

**Sample : Microprocessors ELPC503**

Course Code	Course Outcomes	
ELPC503	ELPC503.1	Understand the basic architecture of 8086 microprocessor.
	ELPC503.2	Develop assembly language programs to perform a given task.
	ELPC503.3	Interpret interrupt service routines for all interrupt types.
	ELPC503.4	Illustrate the interfacing of memory and I/O devices to 8086 using peripheral devices.
	ELPC503.5	Compile microcontroller programs and interface devices.

COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ELPC503.1	3	2	3	3	3	1	1	1	3	3	2	3	3	2
ELPC503.2	3	3	3	3	3	1	1	1	3	3	2	3	3	2
ELPC503.3	3	3	3	3	3	1	1	1	3	3	2	3	3	2
ELPC503.4	3	3	3	3	3	1	1	1	3	3	2	3	3	2
ELPC503.5	3	3	3	3	3	1	1	1	3	3	2	3	3	2